

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: October 26, 2002, 21:08:23 : Search time 13 Seconds  
(without alignments)  
434.024 Million cell updates/sec

Title: US-09-840-795-19

Perfect score: 1273

Sequence: 1 MDCEENYWDGRCVTCOR.....AQLFSIDSVIPQOOGPEM 231

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 24425594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Issued Patents.AA:\*  
2: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	443	34.8	210	4	US-09-286-529-3
2	395.5	31.1	151	4	US-09-286-529-4
3	199.5	15.7	448	4	US-09-342-681C-17
4	199.5	15.7	448	4	US-09-342-681C-19
5	153.5	12.1	260	4	US-09-006-353A-8
6	152.5	12.0	415	4	US-09-006-353A-6
7	150.5	11.8	186	1	US-08-089-458B-6
8	145.5	11.4	455	1	US-08-050-319B-25
9	145.5	11.4	455	1	US-08-321-668-2
10	145.5	11.4	455	1	US-08-837-941-2
11	145.5	11.4	455	2	US-08-126-016-2
12	145.5	11.4	455	2	US-08-465-982-25
13	145.5	11.4	455	4	US-08-815-469-5
14	145.5	11.4	455	4	US-09-006-353A-3
15	145.5	11.4	455	4	US-09-527-236A-5
16	144	11.3	909	4	US-09-013-895A-4
17	142	11.2	419	4	US-08-509-024-7
18	142	11.2	419	4	US-09-333-279-7
19	142	11.2	625	3	US-08-996-139-15
20	142	11.2	625	4	US-08-995-659-15
21	142	11.1	625	4	US-09-215-649A-15
22	141.5	11.1	283	4	US-08-509-024-2
23	141.5	11.1	283	4	US-09-333-279-2
24	140.5	11.0	283	4	US-09-072-993C-2
25	140.5	11.0	283	5	PCT-US96-12374-2
26	137	10.8	453	4	US-09-086-483A-5
27	137	10.8	518	1	US-08-385-229-4

28	132.5	10.4	355	1	US-08-292-549-6	Sequence 6, Appl1
29	132.5	10.4	355	4	US-09-006-353A-14	Sequence 14, Appl1
30	132.5	10.4	461	1	US-08-385-229-2	Sequence 2, Appl1
31	132.5	10.4	461	2	US-08-650-000-2	Sequence 2, Appl1
32	132.5	10.4	461	4	US-09-042-785A-7	Sequence 7, Appl1
33	132.5	10.4	461	4	US-08-477-347-3	Sequence 3, Appl1
34	132.5	10.4	461	4	US-09-006-353A-4	Sequence 4, Appl1
35	132.5	10.4	461	4	US-08-476-862-2	Sequence 2, Appl1
36	132.5	10.4	461	6	5395760-2	Patent No. 5395760
37	132	10.4	227	3	US-08-974-022-48	Sequence 48, Appl1
38	132	10.4	227	4	US-08-795-445A-48	Sequence 48, Appl1
39	132	10.4	227	4	US-08-795-447A-48	Sequence 48, Appl1
40	132	10.4	227	4	US-08-974-186-48	Sequence 48, Appl1
41	132	10.4	227	4	US-08-795-446B-48	Sequence 48, Appl1
42	132	10.4	235	4	US-09-326-394-4	Sequence 4, Appl1
43	132	10.4	486	1	US-08-243-010-1	Sequence 1, Appl1
44	131	10.3	155	4	US-09-146-950-4	Sequence 4, Appl1
45	131	10.3	159	4	US-09-146-950-20	Sequence 20, Appl1

#### ALIGNMENTS

```
RESULT 1
US-09-286-529-3
; Sequence 3, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catharine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 210
; TYPE: PRT
; ORGANISM: human
US-09-286-529-3

Query Match      34.8% Score 443; DB 4; Length 210;
Best Local Similarity 47.4%; Pred. No. 1e-35;
Matches 72; Conservative 28; Mismatches 52; Indels 0; Gaps 0;

QY      2 DCQENYWDGRCVTCORCGPGQELSKDCYGEGBDAYCTACPPRRYKSSWGHKQSC 61
      ||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      33 DCROEFKDRSGNCLCKKCGPMELSKECGFGEADACVPCRPBHFKEGDFOKCKPC 92
QY      62 ITCAVTRVQKVNCTATSNVAGDCILPRFYKTRIGLQDECIPTCKOTPTSEVOCAPQ 121
      ||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      93 ADCALVRFORANCSTHSNDVCGDCLPGFYRKTLVGFQDMCEVCDDPPPYEPHCTSK 152
QY      122 LSTVEADAPTPVPOEATLVAVLSLVVFTLA 153
      ::||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      153 VNLVKISSTVSSPRDTAVAVICSLATVLLA 184

RESULT 2
US-09-286-529-4
; Sequence 4, Application US/09286529
; Patent No. 6297367
; GENERAL INFORMATION:
; APPLICANT: Catharine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/286,529
; CURRENT FILING DATE: 1999-04-05
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 151
; TYPE: PRT
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ORGANISM: human  
US-09-286-529-4

Query Match	31.1%;	Score 395.5;	DB 4;	Length 151;
Best Local Similarity	54.2%;	Pred. No. 2.8e-31;		
Matches 64;	Conservative 18;	Mismatches 35;	Indels 1;	Gaps 1

QY 2 DC - 02E9EYMD0MRCVTCQRCRGP0E1SDCDYGCGA2CTACPPRRYXSMSGHHK0S 60  
 Db 33 DCSROQEFKDRSGNCVLCQCGPMELTSECGFGVGEDAQCP0CRPHREFFMDGPOKCP 92  
 QY 61 C1ICATYINRQKNCATSNACSGCCLPRFRKTRIGLDDQDEC1PCTKOTPISEVC 118  
 Db 93 CADBALNFR0R0RNC5HSDA0VGCGLTGFRTKTLVGD0MECVPC0GDPPEYERHC 150

### RESULT 3

```

US-09-342-681C-17
? Sequence 17, Application US/09342681C
? Patent No. 6355782
? GENERAL INFORMATION:
? APPLICANT: Zonana et al.
? TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
? FILE REFERENCE: 52978
? CURRENT APPLICATION NUMBER: US/09/342,681C
? CURRENT FILING DATE: 1999-06-29
? PRIOR APPLICATION NUMBER: 60/092,279
? PRIOR FILING DATE: 1998-07-09
? PRIOR APPLICATION NUMBER: 60/112,366
? PRIOR FILING DATE: 1998-12-15
? NUMBER OF SEQ ID NOS: 123
? SOFTWARE: Patentln Ver. 2.1
? SEQ ID NO: 17
? LENGTH: 448
? TYPE: PRT
? ORGANISM: Homo sapiens
? US-09-342-681C-17

```

Query Match	15.7%;	Score 199.5;	DB 4;	Length 448;
Best Local Similarity	24.9%;	Pred. No. 1.4e-11;		
Matches	71;	Conservative	33;	Mismatches 112;
			Indels	69;
			Gaps	14;

```

QY      2 DCEENEMWDO-WGRCVYICQRCRGPOEOLSKDCEYGEQGDAA-CTACPRRR-----YKSMG 54
      30 NCGSENEYNTQTGLCQCPRCPCGPREFEYLLSCGYTKREDDYGCVPAPKRSKSGYQICR 89
QY      55 HHKQSCITCAVINRVOKVNCATSNAGVGDCLPRFYR-KTRIGIGLODOECIPCKOTPT 113
      90 HKDCEGFRATVILPGDMEN-----DAECGPCLPGYMLERNRPNTIGMVCYCOLLAPPN 144
QY      114 SEVOCATQLSLVEADAP-----TVPQGE-----ATTVALYSSLLAVFTLAFL 155
      145 TK-ECVATSGASANFPGTSGSSITLSPQJAHKELSGQGHLLATLIIAMSTIFIMAIIV 203
Db      156 GLEFLY-----CKQFNRHRCQGGILQFEADTAKE-----ESLP 190
QY      204 LIIMEFYLIKTTPSAPACC-----TSHPKSEYEAQVSKDEKKEADPNVMESEKDEFEKL- 258
Db      191 PVPPSKETSAESQVSMAGSLAQLFS-----LDSPVPIQQOQOQGEEM 231
      259 TATPAKTKSENDAS--SENEDLLSIVSDDEPADVKGCSPEL 300

```

## RESULT 4

US-09-342-681C-19  
Sequence 19, Application US/09342681C  
Patent No. 6355782  
GENERAL INFORMATION:  
APPLICANT: Zonana et al.,  
TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins  
FILE REFERENCE: 52978  
CURRENT APPLICATION NUMBER: US/09/342,681C  
CURRENT FILING DATE: 1999-06-29

```

: PRIOR APPLICATION NUMBER: 60/092,279
: PRIOR FILING DATE: 1998-07-09
: PRIOR APPLICATION NUMBER: 60/112,366
: PRIOR FILING DATE: 1998-12-15
: NUMBER OF SEQ ID NOS: 123
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 19
: LENGTH: 448
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-342-681C-19

```

Query Match	15.7%;	Score 199.5;	DB 4;	Length 448;
Best Local Similarity	-24.9%;	Pred. No. 1.4e-11;		
Matches 71; Conservative	33;	Mismatches 112;	Indels 69;	Gaps 14;

```

QY      2 DCGENEMWD- WGCACVTCORRCGPOEQLSKDYGEGDAA- CTACPPRR-----YKSSWG 54
Db      30 NCGENEEYNQTTGICORCPCPGPBEEYLLSGCYTKREDDYGCYCPAEKSKSGYQICRR 89
QY      55 HHKQSCITCAVINRYOKVNCATSNAAVGDCLPFRY- KTRIGGLQDOECIPCTQPTP 113
Db      90 HKDEGEFFRAVLTPRGDMEN-----DAGCPCLPQYMLENRPENITGMWYCOLLAPPN 144
QY      114 SEVQCAQOLSLVEDAP-----TPVQOE-----ATVALVSSLVETLAF 155
Db      145 TK-ECVATSGASANPPTGSSSTSLSPQHNHKLSSQGHILATLITAMSTIFIMATAIV 203
QY      156 GLFFLY-----CKOFNNHCORGLLOFEADTAKE-----ESLF 190
Db      204 LIIMEYLITKTPSAPACC-----TSHPEKSVEAQVSKDEKKAEADNVNMFSEKDEFKL- 258
QY      191 PVPSKETSAESQVSNAPGSLAQLF-----LDSPVPIQQOQOQPRM 231
Db      259 TATPAKPTKSENDAS---SENEQLLSVSDSDDEPADDKQSGSPEL 300

```

## RESULT 5

US-09-006-353A-8  
Sequence 8, Application US/09006353A  
Patent No. 6261801  
GENERAL INFORMATION:  
APPLICANT: WEI, YING-FEI  
APPLICANT: YU, GUO-LIANG  
APPLICANT: GENGZ, REINER  
APPLICANT: ROBEN, STEVEN  
TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: HUMAN GENOME SCIENCES, INC.  
STREET: 9410 KEY WEST AVENUE  
CITY: ROCKVILLE  
STATE: MD  
COUNTRY: US  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/006,353A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: BROOKS, ANDERS A  
REGISTRATION NUMBER: 36,373  
REFERENCE/DOCKET NUMBER: P3341  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:

LENGTH: 260 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-006-353A-8

Query Match 12.1%; Score 153.5; DB 4; Length 260;  
 Best Local Similarity 25.9%; Pred. No. 2.1e-07;  
 Matches 72; Conservative 29; Mismatches 78; Indels 99; Gaps 18;

QY 3 QGENYWMQRCVTCQCGPQGLSKDCGGEGDAYCTACPRRYSSMGH--KCQ 59  
 DB 27 CPERHYMAQKIC--COMCEPGETLVKDCDHRKA-AQCDCPIP-GVSPDPHHTRPCE 82  
 QY 60 SCITC--AVINRYQKVNCTATSNVCG-----DCLPRYRKRTRIGLDDOCICPTK-QT 111  
 DB 83 SCRHNCSGLVR-----NCTITANACACRNGMQC-----RDKECTEDDPLPN 125  
 QY 112 PTSEVOCAPOLS-----LVBA-----DAPTV-----PQEA-- 137  
 DB 126 PSLARSSQALSPHPQPTPLPYVSEMLEARTAGHMOTLADFRQLPARTLSTHWPQRSLC 185  
 QY 138 -----TLVALVSLLVFTLFLGLFLYCKQFENRHCQRCGLLOFEADKTAKEESLPV 192  
 DB 186 SSDEIRILVIFSGMFLVFTLA--GALFLHQRKY-----RNSKGS--PV 226  
 QY 193 PSKETSASQVSNAPGSLAQFLSDSVPIPQQQGP 230  
 DB 227 EPA-EPCRYSCPREBS-----TIPQEDYRKPE 255

RESULT 6  
 US-09-006-353A-6  
 ; Sequence 6, Application US/09006353A  
 ; Patient No. 6261801

## GENERAL INFORMATION:

APPLICANT: WEI, YING-FEI  
 APPLICANT: YU, GUO-LIANG  
 APPLICANT: GENTZ, REINER  
 APPLICANT: RUBEN, STEVEN  
 TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR 5  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: HUMAN GENOME SCIENCES, INC.  
 STREET: 9410 KEY WEST AVENUE  
 CITY: ROCKVILLE  
 STATE: MD  
 COUNTRY: US  
 ZIP: 20850

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: IBM PC compatible  
 SOFTWARE: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/006,353A  
 FILING DATE:

## CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
 NAME: BROOKES, ANDERS A  
 REGISTRATION NUMBER: 36,373  
 REFERENCE/DOCKET NUMBER: PF341  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (301) 309-8504  
 TELEFAX: (301) 309-8512  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 415 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-09-006-353A-6

Query Match 12.0%; Score 152.5; DB 4; Length 415;  
 Best Local Similarity 25.3%; Pred. No. 4.7e-07;  
 Matches 74; Conservative 31; Mismatches 99; Indels 89; Gaps 20;

QY 4 QGENYWDQMGRCVTCQCGPQGLSKDCGGEGDAYCTACPRRYKSSMGH-HKQCSOI 62  
 DB 46 QDKEYEYEM-HDYCCSRCPGGEFVAVCSRSQ--DTVCKTCRHNSTNEHMHLSITCOLCR 102  
 QY 63 TCAVINRYQKV-NCTATSNVCGDCLPREYRKRTRIGLQ-----DOECIPC----- 107  
 DB 103 PCDIVLGEFEVAPCTSDRAEC-RCQP-----GMSCYLNDKCHCEERLVLCQP 152  
 QY 108 -TKQPTSEV-----QCAFOLSLVEADAP-----T 131  
 DB 153 GTEAEVTEIDMTDYNVCYPCRGHPQNTSSPRARCQPHTRCEIQ-GLVEA-APGTSYSDT 210  
 QY 132 V---PROEATLVALVSSLLVFTLFLGLFLYCKQFENR--CORGLLOFEADKTA 185  
 DB 211 ICKNPPEGAMLLAILSLVFLFTTV--LACA--WMRHPSLCRKLGTL-LKRNPECE 265  
 QY 186 ESLEFPVP--PSKETSAE-----SOVSMAFGSLAQFLSDSVPIPQQQGP 229  
 DB 266 ESPCPAPRADPHFPDLAEPLPMGDLSPSPAGPPTAPSLLEVVL--QQOSP 316

RESULT 7  
 US-08-089-458B-6  
 ; Sequence 6, Application US/08089458B  
 ; Patient No. 5359039

## GENERAL INFORMATION:

APPLICANT: Smith, Craig  
 APPLICANT: Goodwin, Raymond  
 TITLE OF INVENTION: Isolated Poxvirus A538-Equivalent Tumor  
 TITLE OF INVENTION: Necrosis Factor Antagonists  
 NUMBER OF SEQUENCES: 7  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Patricia Anne Perkins, Immunex Corporation  
 STREET: 51 University Street  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: U.S.A.  
 ZIP: 98101

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: Apple Macintosh  
 OPERATING SYSTEM: Apple Operating System 7.1  
 SOFTWARE: Microsoft Word, Version #5.1a  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/089,458B  
 FILING DATE: 07/09/93  
 CLASSIFICATION: 514

## ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia A.  
 REGISTRATION NUMBER: 34,693  
 REFERENCE/DOCKET NUMBER: 2608  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 587-0430  
 TELEFAX: (206) 233-0644  
 TELEX: 756822  
 INFORMATION FOR SEQ ID NO: 6:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 186 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-089-458B-6

Query Match 11.8%; Score 150.5; DB 1; Length 186;  
 Best Local Similarity 35.1%; Pred. No. 2.7e-07;  
 Matches 40; Conservative 13; Mismatches 44; Indels 17; Gaps 8;



QY 191 -----PVPSKETSASQVSNAPGS-----LAQFS 216  
Db 274 SPTPGFTPLGFSVPVSSFTTSSS---TYTPGDCPNFAPAPREVAPPYGADPILATALA 330  
QY 217 LDSVPIPOQ 226  
Db 331 SDPIPNPLOK 340

RESULT 10  
US-08-837-941-2  
; Sequence 2, Application US/08837941  
; Patent No. 5766917  
; GENERAL INFORMATION:  
; APPLICANT: WALLACH, David  
; APPLICANT: BRAKEBUSCH, Cord  
; APPLICANT: VARPOLOMEV, Eugene  
; APPLICANT: BARTKIN, Michael  
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF  
; TITLE OF INVENTION: THE TMR RECEPTORS, THEIR PREPARATION AND THEIR USE  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/837, 941  
; FILING DATE: 28-APR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/321,668  
; FILING DATE: 12-OCT-1994  
; APPLICATION NUMBER: IL 107268  
; FILING DATE: 12-OCT-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BROWDY, Roger L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: WALLACH-13  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; TELEX: 248633  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-837-941-2

Query Match 11.4%; Score 145.5; DB 1; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.5e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENFYWMQMGKCVTCQRCGPQELSKDCGYGEGDAYCTACPPRYKSMGH-HKQSC 61  
Db 44 CPGGKYIHPONNISICTCKHKGTLYLNDP-GRGQDTCRECSGFTASENHLRLCLSC 102  
QY 62 ITC-AVINRVOKVNCATSNVAGDCLPRFYRK----- 93  
Db 103 SKCREMGVYESSCTVBDYVCG-CRKQYHRYSENLFQCFNCSCLNGTVHLSQCR 161  
QY 94 -----TRIGG--LQDQCIPTCKQPTTSEVQCAFOLSLVEDAPVVPQEAR-----L 139  
Db 162 QMTVCTCHAGFLRENECVSCS-----NCKKSLCTCKLCLPQLENVKKGEDSGTIVL 213

QY 140 VALVSSL-LVVFELAFLEFLCK---QEFNRHC-----QRGLQFENDKTAKESLF 190  
Db 214 LPLVIFFGCLSLFTGLMTYQRMKSKLYSVCKSPKEKGELEGTTRKPLADNPSP 273  
QY 191 -----PVPSKETSASQVSNAPGS-----LAQFS 216  
Db 274 SPTPGFTPLGFSVPVSSFTTSSS---TYTPGDCPNFAPAPREVAPPYGADPILATALA 330  
QY 217 LDSVPIPOQ 226  
Db 331 SDPIPNPLOK 340

RESULT 11  
US-08-126-016-2  
; Sequence 2, Application US/08126016  
; Patent No. 5811261  
; GENERAL INFORMATION:  
; APPLICANT: WALLACH, DAVID  
; APPLICANT: NOPHAR, YARON  
; APPLICANT: KEMPER, OLIVER  
; APPLICANT: ENGELMANN, HARTMUT  
; APPLICANT: BRAKEBUSCH, CORD  
; APPLICANT: ADERKA, DAN  
; TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Browdy and Neimark  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20004

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: IBM PC compatible  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/126,016  
; FILING DATE: 24-SEP-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/625668  
; FILING DATE: 13-DEC-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BROWDY, ROGER L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: WALLACH4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; TELEX: 248633  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-126-016-2

Query Match 11.4%; Score 145.5; DB 2; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.5e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENFYWMQMGKCVTCQRCGPQELSKDCGYGEGDAYCTACPPRYKSMGH-HKQSC 61  
Db 44 CPGGKYIHPONNISICTCKHKGTLYLNDP-GRGQDTCRECSGFTASENHLRLCLSC 102  
QY 62 ITC-AVINRVOKVNCATSNVAGDCLPRFYRK----- 93

Db 103 SKCRKMGQVEISSCTVDROTVCG-CKRNQRYHMYSENLFQCFNCISLCLNCTVHLSQCEK 161  
QY 94 -----TRIGG--LDDQECIPCTKOTPTSEVOCAPQLSLVEADATVPPOEAT-----L 139  
Db 162 QNVTCTHAGFFLEKRENECVSCS-----NCKKSLBCTKICLPQIENVKGTEDSGTTLV 213  
QY 140 VALVSSL-LVYFTLAFGLFPLFYCK---QFNNRHC-----ORGGLQFQADKTKAKESLFL 190  
Db 214 LPLVTFGLCLLSLFLGLMTRYQRMWSKLYSIYCGKSTPEKEGELBEGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSWAPGS-----LAQLFS 216  
Db 274 SPTPGFTPTLGFSPVPSSTFISSS---TYTPGDCPNFAAPRAREVAPPYGADPILATATA 330  
QY 217 LDSVPIPOQQ 226  
Db 331 SDPIPNPLOK 340

## RESULT 12

US-08-465-982-25  
; Sequence 25, Application US/08465982  
; Patent No. 5863786  
; GENERAL INFORMATION:  
; APPLICANT: M.Feldmann, P.W. Gray,  
; APPLICANT: M.J.C. Turner, F.M.Brennan  
; TITLE OF INVENTION: Modified human TNFalpha (Tumor  
; NUMBER OF SEQUENCES: 57  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Reed & Robbins  
; STREET: 635 Bryant Street  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94301  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/465,982  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/050,319  
; FILING DATE: 10-May-1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Robbins, Roberta L.  
; REGISTRATION NUMBER: 33,208  
; REFERENCE/DOCKET NUMBER: 5150-0030  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 617-8999  
; TELEFAX: (415) 327-3231  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-465-982-25

Query Match 11.4%; Score 145.5; DB 2; Length 455;  
Best Local Similarity 21.3%; Pred. No. 2.5e-06;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

QY 3 COENETWQWGCVCYTCGCRGPGQELSKDQGGEGDAYCTACPPRRYKSMGH-HKQSC 61  
Db 44 CPQGYTHPQNNISCTCTCHKCTIYINDCP-GPGDPTDCRECESSGFYASENHLRHLISC 102  
QY 62 ITC-AVINRVQKVNCTATSNVAVCGDCLPFRFYRK----- 93

Db 103 SKCRKMGQVEISSCTVDROTVCG-CKRNQRYHMYSENLFQCFNCISLCLNCTVHLSQCEK 161  
QY 94 -----TRIGG--LDDQECIPCTKOTPTSEVOCAPQLSLVEADATVPPOEAT-----L 139  
Db 162 QNVTCTHAGFFLEKRENECVSCS-----NCKKSLBCTKICLPQIENVKGTEDSGTTLV 213  
QY 140 VALVSSL-LVYFTLAFGLFPLFYCK---QFNNRHC-----ORGGLQFQADKTKAKESLFL 190  
Db 214 LPLVTFGLCLLSLFLGLMTRYQRMWSKLYSIYCGKSTPEKEGELBEGTTTKPLAPNPSF 273  
QY 191 -----PVPPSKETSASQVSWAPGS-----LAQLFS 216  
Db 274 SPTPGFTPTLGFSPVPSSTFISSS---TYTPGDCPNFAAPRAREVAPPYGADPILATATA 330  
QY 217 LDSVPIPOQQ 226  
Db 331 SDPIPNPLOK 340

## RESULT 13

US-08-815-469-5  
; Sequence 5, Application US/08815469  
; Patent No. 6153402  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Ni, Jian  
; APPLICANT: Dixit, Vishva  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Dillon, Patrick J.  
; TITLE OF INVENTION: Death Domain Containing Receptors  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox, P.L.L.C.  
; STREET: 1100 New York Ave., NW, Suite 600  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/815,469  
; FILING DATE: HERWITH  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: No. 6153402 Yet Assigned  
; FILING DATE: 06-FEB-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/028,711  
; FILING DATE: 17-OCT-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/013,285  
; FILING DATE: 12-MAR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffe, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488-0310003/EKS/KRM  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2540  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 455 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: not relevant  
; MOLECULE TYPE: protein  
US-08-815-469-5

Query Match 11.4%; Score 145.5; DB 4; Length 455;

OY 140 VALVSSL-LVFTTLAGLGFLLYCK---QFPNRHC----QRCGLLOFEADKTAKESLF 190

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Db      214  LPVIFFGCLISLFIQIMTRYQWMSKLYSIYCGKSTPEKEGFLBGTTKPLAPNPSF 273
QY      191  -----PVPPSKETSABESQVSWAPGS-----LAQLFS 216
Db      274  SPTPGFTPTLGFSPPVSSSTFTSS--TYPQDCPNFAAPRRVAPPYQADPILATAIA 330
QY      217  LDSVPFIPQOQ 226
Db      331  SDPIPNPLQK 340
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Search completed: October 26, 2002, 21:10:33  
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